Product Specification

8-Port Combo IP KVM Over IP Switch

IKVM-8020

Version 1.0

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Change History:

Revision	Date	Author	Change List
Version 1.0	2013/01/23	Anthony	Initial release

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PRODUCT DESCRIPTION

Easily Control Servers with Flexibility

The PLANET 8-Port Combo IP KVM Switch, IKVM-8020 is an enterprise-class, secure, KVM-over-IP switch that provides BIOS-level control of up to 64 servers. Use a dedicated micro-controller and potentially specialized video capture hardware to capture the video, keyboard, and mouse signals, compress and convert them into packets, and send them over an Ethernet link to a remote console application that unpacks and reconstitutes the dynamic graphical image. This IP KVM solution includes standard features such as Powerful Mouse / Keyboard Support such as installing software, transferring files and backing up data.

Powerful VGA / Mouse / Keyboard Support

The IKVM-8020 will detect the current video mode of the console automatically; and manual fine-tuning is also available to receive an optimal video quality. The IKVM-8020 will accept video streams with a dot clock rate up to 110MHz, therefore, the remote VGA resolution can up to 1600 x 1200 video resolutions.
User can connect up to 8 PCs to the IKVM-8020. The IKVM-8020 also fully supports various models of PS/2 and USB mice manufactured by Logitech, Microsoft and IBM as well as compatible PS/2 and USB mice of other brands. The KVM supports the PS/2 and USB Keyboard Port of the CODE SET1/2/3 and further allows you to use the KVM for all kinds of servers and PCs.

Easy Switching , Efficient Management

The IKVM-8020 can fully control the connected PCs of any platform through any at-hand browser or just work as a normal 16-Port KVM Switch in local site. By the support of daisy chain function, users can cascade one IKVM-8020 to multiple KVM-810 or KVM-1610, and manage this KVM chain with one single IP. The IKVM-8020 is the ideal choice for those users who want to maintain their PC system at office or home 24/7.

PRODUCT FEATURES

- **Hardware**
  - 19” rack mount 1U size design
  - LED display for easy status monitoring
  - Built-in one extra daisy chain port to cascade with KVM-810 and KVM-1610
  - High Video Resolution up to 1920 x 1440 (local side) or 1600 x 1200 (remote side)
  - Supports hot plug; no need to power off the KVM switch or PCs when adding or removing PCs

- **System**
  - Supports SSL protocol for any encrypted network traffic between itself and a connected client
  - Automatically senses video resolution for best possible screen capture
  - No Software Required：easy PC selection via On Screen Display (OSD) menu, Push Buttons, Hot Keys
  - Compliant with DOS, Windows, Netware, Unix, Linux, iMAC, Power MAC and Sun Micro Systems with USB port by connecting with a USB-PS/2 adapter

➢ **Installation**
- Remote mass storage control
- Supports password protection and PC server name search
- Buzzer sound for switching port confirmation
- Keyboard status restored when switching PCs

PRODUCT SPECIFICATION

MAIN COMPONENT

KVM IP module: Raritan LARA express
Highly Integrated Graphics Digitizer: Raritan KIRA 100
LAN Chip: Cortina WJLKXT972ALC.A4

TECHNICAL SPECIFICATIONS

Model	IKVM-8020
Hardware Interface	
PC Port	8
Host Connectors (all female type)	HDDB 15-pin x 8
Local Console Connectors (all female type)	USB keyboard port & USB mouse port PS/2 keyboard port & PS/2 mouse port HDDB 15-pin VGA port
Daisy Chain Connectors (all female type)	PS/2 keyboard port PS/2 mouse port HDDB 15-pin VGA port
Remote Console	10/100 Mbps Ethernet, RJ-45
Control Feature	
Max connected PCs	64 (by cascade 8 KVM-810)
Max cascade levels	2
Port Selection Keys	8
PC Selection	On Screen Display Menu / Hot Key / Button
VGA Resolution	Local console: 1920 x 1440 Remote console: 1600 x 1200
Network and Configuration	
Network Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX
Supported Protocol	TCP, IP, ARP, ICMP, HTTP/HTTPS, Telnet, SSH, DHCP/BOOTP, PPP, SMTP, DNS, NTP, Dynamic DNS
Client Software	Microsoft Java VM, Sun Java VM (Plug in), Netscape Java VM
Remote Access Key	128-bit SSL / 256-bit SSL(Firefox)
Keyboard / mouse Emulation	USB & PS/2
DDC / EDID communication	DDC2
Environment	
Dimension (W x D x H)	160 x 444.5 x 44.3 mm
Weight	2.76kg
Environmental Specification	Operating temperature: 0 ~ 50 Degree C Storage temperature: -20 ~ 60 Degree C Relative humanity: 0 ~ 80% (non-condensing)

Power Requirement	12V DC, 1.5A
Electromagnetic Compatibility	FCC, CE

PHYSICAL SPECIFICATION

Dimensions

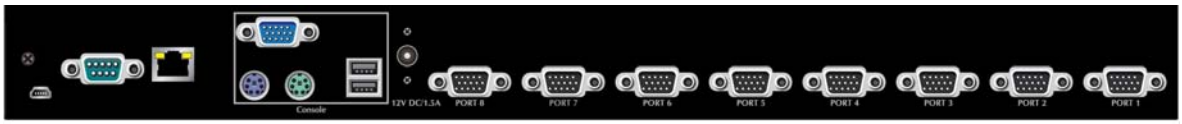
440 x 185 x 42 mm mm

Weight

2.76 Kg (net weight)

Front panel

Rear panel



ENVIRONMENTAL SPECIFICATION

Operating

Temperature: 5~40 Degree C
Relative Humidity: 0~80% (non-condensing)

Storage

Temperature: -20~60 Degree C
Relative Humidity: 0~80% (non-condensing)

ELECTRICAL SPECIFICATION

Input Voltage: 12V DC, 1.5A

REGULATORY COMPLIANCE

FCC
CE

BASIC PACKAGING

- 1 x 8-port KVM switch
- 1 x User's Manual
- 1 x Adaptor
- 2 x KVM Cable
- 2 x Rack Mount Kit
- 6 x Rack Mount Screw
- 4 x Pad

PACKAGING INFORMATION

- Dimension

  550 x 186 x 284 mm

- Weight

  5.52 kg (gross weight)